



6560-50-P

**ENVIRONMENTAL PROTECTION AGENCY**

**40 CFR Part 300**

**[EPA-HQ-SFUND-1994-0009; FRL-9967-38-Region 10]**

**National Oil and Hazardous Substances Pollution Contingency Plan;**

**National Priorities List: Deletion of the Vancouver Water Station #1 Superfund Site**

**AGENCY:** Environmental Protection Agency (EPA).

**ACTION:** Proposed rule; notification of intent.

**SUMMARY:** The Environmental Protection Agency (EPA) Region 10 is issuing a Notice of Intent to Delete the Vancouver Water Station #1 Contamination Superfund Site (Site) located in Vancouver, Washington, from the National Priorities List (NPL) and requests public comments on this proposed action. The NPL, promulgated pursuant to section 105 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, as amended, is an appendix of the National Oil and Hazardous Substances Pollution Contingency Plan (NCP). The EPA and the State of Washington, through the Department of Ecology have determined that all appropriate response actions under CERCLA, have been completed. However, this deletion does not preclude future actions under Superfund.

**DATES:** Comments must be received by [insert date 30 days from date of publication in the Federal Register].

**ADDRESSES:** Submit your comments, identified by Docket ID no. EPA-HQ-SFUND-1994-0009, by one of the following methods:

- (1) <http://www.regulations.gov> . Follow on-line instructions for submitting comments.

(2) Email: Laura Knudsen, Community Involvement Coordinator, at  
knudsen.laura@epa.gov

(3) Mail: Laura Knudsen, U.S. EPA Region 10, 1200 Sixth Avenue, Suite 900, RAD-202-3,  
Seattle, Washington 98101

(4) Hand delivery: USEPA Region 10 Records Center, 1200 Sixth Avenue, Suite 900,  
Seattle, Washington. Such deliveries are only accepted during the Docket's normal hours  
of operation, and special arrangements should be made for deliveries of boxed  
information.

*Instructions:* Direct your comments to Docket ID no. EPA-HQ-SFUND-1994-0009. EPA's  
policy is that all comments received will be included in the public docket without change and  
may be made available online at <http://www.regulations.gov>, including any personal information  
provided, unless the comment includes information claimed to be Confidential Business  
Information (CBI) or other information whose disclosure is restricted by statute. Do not submit  
information that you consider to be CBI or otherwise protected through  
<http://www.regulations.gov> or e-mail. The <http://www.regulations.gov> web site is an  
"anonymous access" system, which means EPA will not know your identity or contact  
information unless you provide it in the body of your comment. If you send an e-mail comment  
directly to EPA without going through <http://www.regulations.gov>, your e-mail address will be  
automatically captured and included as part of the comment that is placed in the public docket  
and made available on the Internet. If you submit an electronic comment, EPA recommends that  
you include your name and other contact information in the body of your comment and with any  
disk or CD-ROM you submit. If EPA cannot read your comment due to technical difficulties and  
cannot contact you for clarification, EPA may not be able to consider your comment. Electronic

files should avoid the use of special characters, any form of encryption, and be free of any defects or viruses.

*Docket:* All documents in the docket are listed in the <http://www.regulations.gov> index.

Although listed in the index, some information is not publicly available, e.g., CBI or other information whose disclosure is restricted by statute. Certain other material, such as copyrighted material, will be publicly available only in the hard copy. Publicly available docket materials are available either electronically in <http://www.regulations.gov> or in hard copy at:

USEPA Region 10 Records Center, 1200 Sixth Avenue, Suite 900, Seattle, Washington,  
Monday through Friday, except Federal holidays, between 8:00 am and 5:00 pm.

City of Vancouver Water Resources Education Center, 4600 SE Columbia Way, Vancouver,  
Washington, Monday through Friday, except holidays, between 9:00 am and 5:00 pm and  
Saturday between noon and 5:00 p.m., Phone: 360-487-7111.

**FOR FURTHER INFORMATION CONTACT:** Jeremy Jennings, Remedial Project  
Manager, U.S. Environmental Protection Agency, Region 10, ECL-122, 1200 Sixth Avenue,  
Suite 900, Seattle, Washington 98101, 206-553-2724, email [jennings.jeremy@epa.gov](mailto:jennings.jeremy@epa.gov).

**SUPPLEMENTARY INFORMATION:**

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**I. Introduction**

EPA Region 10 announces its intent to delete the Vancouver Water Station #1 Contamination Superfund Site from the National Priorities List (NPL) and requests public comment on this proposed action. The NPL constitutes Appendix B of 40 CFR part 300 which is the National Oil and Hazardous Substances Pollution Contingency Plan (NCP), which EPA promulgated pursuant to section 105 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, as amended. EPA maintains the NPL as the list of sites that appear to present a significant risk to public health, welfare, or the environment. Sites on the NPL may be the subject of remedial actions financed by the Hazardous Substance Superfund (Fund). As described in 40 CFR 300.425(e)(3) of the NCP, sites deleted from the NPL remain eligible for Fund-financed remedial actions if future conditions warrant such actions.

EPA will accept comments on the proposal to delete this Site for thirty (30) days after publication of this document in the **Federal Register**.

Section II of this document explains the criteria for deleting sites from the NPL. Section III discusses procedures that EPA is using for this action. Section IV discusses the Vancouver Water Station #1 Contamination Superfund Site and demonstrates how it meets the deletion criteria.

## **II. NPL Deletion Criteria**

The NCP establishes the criteria that EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425(e), sites may be deleted from the NPL where no further response is appropriate. In making such a determination pursuant to 40 CFR 300.425(e), EPA will consider, in consultation with the State, whether any of the following criteria have been met:

- (1)responsible parties or other persons have implemented all appropriate response actions required;
- (2)all appropriate Fund-financed response under CERCLA has been implemented, and no

further response action by responsible parties is appropriate; or

(3) the remedial investigation has shown that the release poses no significant threat to public health or the environment and, therefore, the taking of remedial measures is not appropriate.

Pursuant to CERCLA section 121(c) and the NCP, EPA conducts five-year reviews to ensure the continued protectiveness of remedial actions where hazardous substances, pollutants, or contaminants remain at a site above levels that allow for unlimited use and unrestricted exposure. EPA conducts such five-year reviews even if a site is deleted from the NPL. EPA may initiate further action to ensure continued protectiveness at a deleted site if new information becomes available that indicates it is appropriate. Whenever there is a significant release from a site deleted from the NPL, the deleted site may be restored to the NPL without application of the hazard ranking system.

### **III. Deletion Procedures**

The following procedures apply to deletion of the Site:

- (1) EPA consulted with the State before developing this Notice of Intent to Delete.
- (2) EPA has provided the State 30 working days for review of this notice prior to publication of it today.
- (3) In accordance with the criteria discussed above, EPA has determined that no further response is appropriate.
- (4) The State of Washington, through the Department of Ecology, has concurred with deletion of the Site from the NPL.
- (5) Concurrently with the publication of this Notice of Intent to Delete in the **Federal**

**Register**, a notice is being published in a major local newspaper, *The Columbian*. The newspaper notice announces the 30-day public comment period concerning the Notice of Intent to Delete the site from the NPL.

(6) The EPA placed copies of documents supporting the proposed deletion in the deletion docket and made these items available for public inspection and copying at the Site information repositories identified previously.

If comments are received within the 30-day public comment period on this document, EPA will evaluate and respond appropriately to the comments before making a final decision to delete. If necessary, EPA will prepare a Responsiveness Summary to address any significant public comments received. After the public comment period, if EPA determines it is still appropriate to delete the Site, the Director of EPA's Region 10 Office of Environmental Cleanup will publish a final Notice of Deletion in the **Federal Register**. Public notices, public submissions and copies of the Responsiveness Summary, if prepared, will be made available to interested parties and in the site information repositories listed previously.

Deletion of a site from the NPL does not itself create, alter, or revoke any individual's rights or obligations. Deletion of a site from the NPL does not in any way alter EPA's right to take enforcement actions, as appropriate. The NPL is designed primarily for informational purposes and to assist EPA management. Section 300.425(e)(3) of the NCP states that the deletion of a site from the NPL does not preclude eligibility for future response actions, should future conditions warrant such actions.

#### **IV. Basis for Intended Site Deletion**

The following information provides EPA's rationale for deleting the Site from the NPL:

##### **Site Background and History**

The Vancouver Water Station #1 Contamination Superfund Site (EPA ID: WAD988519708) is located within Waterworks Park near the center of the City of Vancouver, Clark County, Washington. Water Station #1 (WS1) is a public water supply wellfield made up of ten groundwater production wells, five air-stripping towers and a holding reservoir. Water from WS1 is blended with water from several other wellfields to provide drinking water to approximately 230,000 people in the Vancouver region.

The Water Station has been owned by the City of Vancouver (City) and managed as part of their drinking water supply system for over 60 years. In 1988, pursuant to the Safe Drinking Water Act (SDWA), the City began monitoring volatile organic compounds (VOCs) in water supplied from all of its water stations. These tests found tetrachloroethylene (PCE) to be present in several of the WS1 wells at levels above the maximum contaminant level (MCL) established under the SDWA. The City notified the public and modified the pumping rates at individual wells so that PCE levels in the drinking water delivered to customers was consistently below the MCL.

Groundwater samples collected between 1988 and 1992 indicated levels of PCE in the groundwater as high as 30 µg/L. While the City managed the drinking water system such that the drinking water distributed to customers remained below the MCL of 5 µg/L, elevated concentrations of PCE continued to be present in the groundwater. In 1993, the City installed five air stripping towers at the Site and began routing all the water extracted from the WS1 wellfield through the air strippers prior to distribution to customers. This treatment reduced PCE levels to below analytical detection limits.

On June 23, 1993, EPA proposed WS1 for listing on the NPL (58 FR 34018). The NPL listing for the Site was finalized on May 31, 1994 (59 FR 27989).

The City continues to use the water from the WS1 production wells as part of their drinking water supply system. A park has been developed on the land surrounding the wellfield.

### **Remedial Investigation and Feasibility Study (RI/FS)**

A baseline risk assessment quantified the potential risks to future residents consuming untreated water ranged to be from 1E-06 to 6E-06 (1 to 6 excess cancers in 1,000,000 people). EPA found it was necessary to take action at WS1 because the groundwater at several production wells had been shown to have persistent concentrations of PCE above the MCL.

In 1989 and 1990, several investigations were conducted by the City and EPA. No pattern was found in the soil or groundwater data that might indicate the location of the potential source of PCE. Based on these results, EPA concluded that the likelihood of identifying a significant source was low and that further investigation into source identification was not warranted.

### **Selected Remedy**

On September 11, 1998, the EPA issued a Record of Decision (ROD) for the Site. PCE was identified as the only Contaminant of Concern. Remedial Action Objectives were established to protect human health by reducing concentrations of PCE in the groundwater drinking water to below the MCL (5.0 µg/L).

The selected remedy for the Site included pumping the production wells at a rate consistent with customer demand until such time as the PCE level in the groundwater at all production wells was below the MCL. The extracted water was to be treated using the air stripping towers and distributed to customers as drinking water. Monitoring of the quality of the groundwater at the production wells and the water following treatment was also required. Since no sources were identified and no other drinking water wells were located in the area, no source control actions or institutional controls were included.

## **Response Actions**

The City's production wells were used to pump contaminated groundwater, which was then treated in air stripping towers. This treatment system reduced PCE to nondetectable levels, so the water could then be delivered to customers for use as drinking water. This pump, treat, and delivery system began in 1993 and has operated continuously for 24 years. Throughout this period, the City monitored PCE concentrations in the aquifer, which declined gradually over time.

The PCE levels in the groundwater at all wells are currently below the MCL. Thus, the remedial action objectives have been attained and the human health exposure pathways have been eliminated.

A Preliminary Close Out Report documenting the completion of construction activities was signed by EPA on September 25, 1998. The Site was identified as "Sitewide Ready for Anticipated Use" on September 28, 2012. A Final Close Out Report documenting completion of all remedial activities was signed by EPA on April 27, 2017.

## **Cleanup Levels**

The 1998 ROD requires treatment and monitoring until the PCE concentrations in groundwater at all production wells are below the MCL. As there have been no changes to the federal or state drinking water standards for PCE or changes in the toxicity factors for PCE since the ROD was issued, this cleanup level remains protective of human health and the environment.

In April 2017 the EPA reviewed the monitoring data and found that PCE concentrations at 11 of the 12 production wells had been below the cleanup level of 5 µg/L since 2013. A further statistical analysis of data collected from the other well indicated a downward trend and a 95% Upper Confidence Level of 4.41 µg/L, below the cleanup level of 5 µg/L. Based on this

evaluation, EPA determined that all remedial activities at the Site were complete, remedial action objectives had been achieved and the use of the treatment system was no longer required for the CERCLA remedy. All drinking water delivered from the wellfield must continue to meet the requirements of the SDWA.

### **Five-Year Review**

Three policy five-year reviews have been completed at the Site, the last one in September 2013.

No issues or follow-up actions were identified as part of the 2013 Five Year Review. The protectiveness statement stated “The remedy at Vancouver WS1 is protective of human health and the environment because the treatment system is functioning as intended and human and ecological risks are under control. Long-term protectiveness of the remedial action will be verified by regular monitoring by the City of Vancouver.”

The analysis conducted since the last FYR indicates that the remedy has been fully implemented and the remedial action objectives and related cleanup levels have been attained. No hazardous substances, pollutants or contaminants remain above levels that could prevent unlimited use and unrestricted exposure. Therefore, no further five-year reviews are required.

### **Community Involvement**

Public participation activities have been satisfied as required in CERCLA Section 113(k), 42 U.S.C. 9613(k) and CERCLA Section 117, 42 U.S.C. 9617. Throughout the remedial process, the EPA has kept the public informed of activities being conducted at the Site by way of informational meetings, fact sheets and public meetings.

Documents in the deletion docket which the EPA relied on for the recommendation for deletion from the NPL are available to the public at the information repositories identified

previously. A notice of availability of the Notice of Intent for Deletion has been published in *The Columbian*.

#### **Determination that the Site Meets the Criteria for Deletion in the NCP**

The EPA, with concurrence of the State of Washington through the Department of Ecology, has determined that the implemented remedy achieves the degree of cleanup or protection specified in the ROD for all pathways of exposure. All selected remedial and removal action objectives and associated cleanup levels are consistent with agency policy and guidance. No further Superfund response is needed to protect human health and the environment.

In accordance with 40 CFR 300.425(e), sites may be deleted from the NPL where all appropriate response actions have been implemented and where no further response is appropriate. Consistent with this, the EPA is proposing deletion of this Site from the NPL.

#### **List of Subjects in 40 CFR Part 300**

Environmental protection, Air pollution control, Chemicals, Hazardous waste, Hazardous substances, Intergovernmental relations, Penalties, Reporting and recordkeeping requirements, Superfund, Water pollution control, Water supply.

Authority: 33 U.S.C. 1321(d); 42 U.S.C. 9601–9657; E.O. 13626, 77 FR 56749, 3 CFR, 2013

Comp., p. 306; E.O. 12777, 56 FR 54757, 3 CFR, 1991 Comp., p. 351; E.O. 12580, 52

FR 2923, 3 CFR, 1987 Comp., p. 193.

Dated: August 25, 2017.

Sheryl Bilbrey,  
Director - Region 10 Office of Environmental Cleanup.  
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